

Title (en)

AQUEOUS ENERGY CURABLE INKJET INKS

Title (de)

WÄSSRIGE ENERGIEHÄRTBARE TINTENSTRAHLDRUCKTINTEN

Title (fr)

ENCRE AQUEUSES POUR IMPRESSION À JET D'ENCRE DURCISSABLES PAR ÉNERGIE

Publication

**EP 4087903 A4 20230913 (EN)**

Application

**EP 20912632 A 20200110**

Priority

US 2020013063 W 20200110

Abstract (en)

[origin: WO2021141597A1] An aqueous energy curable inkjet ink that includes (A) a non-photopolymerizable resin, (B) a water-soluble photopolymerizable monomer, (C) a pigment having an average particle size of 50 to 300 nm, and (D) at least 25 wt. % water, based on a total weight of the aqueous energy curable inkjet ink. A printed article including the aqueous energy curable inkjet ink in dried and cured form, and a method of forming a printed image with an inkjet printhead are also provided.

IPC 8 full level

**C09D 11/101** (2014.01); **C09D 11/10** (2014.01); **C09D 11/102** (2014.01); **C09D 11/106** (2014.01); **C09D 11/107** (2014.01); **C09D 11/322** (2014.01); **C09D 11/38** (2014.01)

CPC (source: EP US)

**C09D 11/101** (2013.01 - EP); **C09D 11/102** (2013.01 - EP); **C09D 11/106** (2013.01 - EP); **C09D 11/107** (2013.01 - EP US); **C09D 11/322** (2013.01 - EP US); **C09D 11/36** (2013.01 - US); **C09D 11/38** (2013.01 - EP US)

Citation (search report)

- [X] EP 0658607 A1 19950621 - CANON KK [JP]
- [X] JP 2014189715 A 20141006 - SEIKO EPSON CORP
- [X] EP 2371572 A1 20111005 - FUJIFILM CORP [JP]
- [X] EP 1792744 A1 20070606 - KONICA MINOLTA MED & GRAPHIC [JP]
- [E] EP 4083150 A1 20221102 - SAKATA INX CORP [JP]
- See also references of WO 2021141597A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 2021141597 A1 20210715**; CN 114938652 A 20220823; EP 4087903 A1 20221116; EP 4087903 A4 20230913; JP 2023517268 A 20230425; JP 7503637 B2 20240620; US 2023048141 A1 20230216

DOCDB simple family (application)

**US 2020013063 W 20200110**; CN 202080092378 A 20200110; EP 20912632 A 20200110; JP 2022542150 A 20200110; US 202017789812 A 20200110